

BOTANICAL MUSEUM LEAFLETS
HARVARD UNIVERSITY

VOLUME XX

BOTANICAL MUSEUM
CAMBRIDGE, MASSACHUSETTS
1962-1964

TABLE OF CONTENTS

NUMBER 1 (August 1, 1962)

Novelties in the Orchid Flora of the Guayana Highlands II	
By CHARLES SCHWEINFURTH	1

NUMBER 2 (September 7, 1962)

The Hallucinogenic Mushrooms of Mexico and Psilocybin: A Bibliography	
By R. GORDON WASSON	25

NUMBER 2a (March 10, 1963)

The Hallucinogenic Mushrooms of Mexico and Psilocybin: A Bibliography (<i>Second printing, with corrections and addenda</i>)	
By R. GORDON WASSON	25

NUMBER 3 (December 28, 1962)

A New Species of <i>Salvia</i> from Mexico	
By CARL EPLING AND CARLOS D. JATIVA-M	75

A New Mexican Psychotropic Drug from the Mint Family	
By R. GORDON WASSON	77

<i>Resia</i> —A New Genus of Gesneriaceae	
By HAROLD E. MOORE, JR.	85

NUMBER 4 (January 30, 1963)

New Orchids from Ceylon	
By DON M. A. JAYAWEERA	93

Number 5 (May 1, 1963)

Spread of Eight-rowed Maize from the Prehistoric
Southwest

By WALTON C. GALINAT AND JAMES H.

GUNNERSON 117

NUMBER 6 (November 22, 1963)

Notes on the Present Status of *Ololiuhqui* and the
other Hallucinogens of Mexico

By R. GORDON WASSON 161

The Active Principles of the Seeds of *Rivea*
corymbosa and *Ipomoea violacea*

By ALBERT HOFMANN 194

NUMBER 7 (November 29, 1963)

A New *Gossypium* from the Cape Verde Islands

By DUNCAN CLEMENT AND LYLE L. PHILLIPS 213

Plantae Colombianaes XVI. Saurauiae Provinciae
Putumayonis Species Nova

By RICHARD EVANS SCHULTES 221

NUMBER 8 (May 8, 1964)

Present Status of Botanical Studies of Ambers

By JEAN H. LANGENHEIM 225

NUMBER 9 (June 30, 1964)

Tripsacum as a Possible Amphidiploid of Wild
Maize and *Manisuris*

By WALTON C. GALINAT, RAJU S.K.

CHAGANTI AND FLOYD D. HAGER 289

Plantae Colombianae XVII. De Plantis Regionis Amazonicae Notae	
By RICHARD EVANS SCHULTES	317

NUMBER 10 (December 30, 1964)

<i>Philoglossa</i> —A Cultivar of the Sibundoy of Colombia	
By MELVIN L. BRISTOL	325

Louis C. Bierweiler—An Appreciation	
By PAUL C. MANGELSDORF	334

Plantae Colombianae XVIII. Plantarum utilium Speciei Duae Novae	
By RICHARD EVANS SCHULTES	336

INDEX OF ILLUSTRATIONS

	PLATE
Amber. Angiosperm remains from Baltic amber	XLII
Amber. Geographic distribution of deposits . . .	XL
Amber. Santa Catarina landslide, Chiapas, Mexico	XLIII
Amber. Seventeenth Century amber fishermen	XLI
Anthurium infectorium <i>R. E. Schult.</i>	LIII
Cayaponia Kathematophora <i>R. E. Schult.</i> . . .	LIV
Cayaponia ophthalmica <i>R. E. Schult.</i>	L
Cirrhopetalum roseum <i>Jayaweera</i>	XVII
Distribution of resin producers in Chiapas . . .	XLV
Epidendrum remotiflorum <i>C. Schweinf.</i>	VII
Epidendrum Lechleri <i>Reichb.f.</i>	VI
Erythroides robusta <i>C. Schweinf.</i>	III
Gossypium Barbosanum <i>Phillips & Clement</i> XXXVII, XXXVIII	
Henriquezia obovata <i>Spr. ex Benth.</i>	XLIX
Ipomoea violacea <i>L.</i> (text fig., p. 177) XXIX, XXX, XXXI, XXXV, XXXVI	
Life zones in the United States	XXI
Louis C. Bierweiler, 1887-1964	LII
Manniella americana <i>C. Schweinf. & L. A. Garay</i> .	II
Maxillaria bolivarensis <i>C. Schweinf.</i>	VIII
Mushroom stones	XXXIII

Oberonia claviloba <i>Jayaweera</i>	XIII
Oberonia dolabrata <i>Jayaweera</i>	XII
Oberonia fornicata <i>Jayaweera</i>	XVI
Oberonia quadrilatera <i>Jayaweera</i>	XI
Oberonia Wallie-Silvae <i>Jayaweera</i>	XIV
Oberonia weragamaensis <i>Jayaweera</i>	XV
Philoglossa peruviana <i>DC.</i>	LI
Philoglossa peruviana <i>DC.</i> var. <i>sapida Bristol</i> . .	LI
Pleurothallis coffeicola <i>Schltr.</i>	IV
Pleurothallis parvilabia <i>C. Schweinf.</i>	V
Pollen size variation in maize, teosinte, <i>Tripsacum</i> and <i>Manisuris</i>	XLVII
Psilocybe mexicana <i>Heim</i>	XXXII
Resia nimbicola <i>H. E. Moore</i>	IX, X
Rivea corymbosa (<i>L.</i>) <i>Hall.f.</i> . . .	XXXV, XXXVI
Saccolabium tortifolium <i>Jayaweera</i>	XVIII
Salvia divinorum <i>Epling & Jávito</i>	XXVIII, XXXII
Saurauia Alvaroi <i>R. E. Schult.</i>	XXXIX
Spiranthes callifera <i>C. Schweinf.</i>	I
Spiranthes longiauriculata <i>C. Schweinf.</i>	II
Structural formulas of alkaloids from <i>Rivea corym-</i> <i>bosa</i> and <i>Ipomoea violacea</i> seeds	XXXIV
Taeniophyllum gilimalense <i>Jayaweera</i>	XIX
Tapirira durhamii from Baltic amber	XLIV
<i>Tripsacum.</i> A representation of its hypothetical origin	XLVI

<i>Zea Mays L.</i> Archaeological and modern Zapalote-Chico maize	XXVI
<i>Zea Mays L.</i> Archaeological maize cobs from southwestern New Mexico	XXIII
<i>Zea Mays L.</i> Archaeological maize cobs from the Southwest	XX
<i>Zea Mays L.</i> Chromosome association in maize and maize-Tripsacum hybrids	XLVII
<i>Zea Mays L.</i> Cob similarities among the races Maize Blanco de Sonora, Pima-Papago and Fremont Dent	XXV
<i>Zea Mays L.</i> Distribution of Maize de Ocho .	XXII
<i>Zea Mays L.</i> Prehistoric dent maize cobs from Utah	XXIV
<i>Zea Mays L.</i> Evolutionary sequence in maize in the Southwest	XXVII